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Data Sheet
August 14, 2026

EXFO

Exfo FTB-7300E OTDR Module

The EXFO FTB-7300E isasinglemode OTDR module optimized for PON FTTx/MDU testing through high-port-count splitters up to 1×128, with optional filtered live ports at 1625 or 1650 nm. OEM datasheet SPFTB7300E lists typical dynamic range at 20 us of 39/35/37/39/37 dB across 1310/1490/1550/1625/1650 nm, event dead zone 0.8 m, attenuation dead zones 4/4.5 m class, distance ranges to 400 km, and up to 256000 sampling points. PON splitter characterization, access fiber deployment and troubleshooting, in-service live-fiber OTDR with filtered ports, and iOLM-ready one-touch link mapping on FTB-200/FTB-500 platforms.

MODEL **Exfo FTB-7300E**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **FTB-7300E**	LISTING **https://aumictechlabs.com/products/ftb-7300e-2/**

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This unit

The Exfo FTB-7300E is a single-mode OTDR module engineered for fiber characterization, fault location, and network performance validation across FTTx, PON, and MDU deployments. It delivers precise measurements through high-port-count splitters, supports in-service troubleshooting on active networks, and integrates with EXFO's modular test platforms for accelerated field operations. Technical Specifications Product Type: Optical Time Domain Reflectometer (OTDR) Module Fiber Type: Single-mode (SM) Dynamic Range: Up to 39 dB for singlemode medium haul; 37 dB for non-SM live at 1625 nm Event Dead Zone: Typical dead zone less than 5 ns pulse, below -45 dB reflectance Wavelengths: Dual configurations at 1310/1550 nm,

1550/1625 nm; triple configurations at 1310/1550/1625 nm, 1310/1490/1550 nm; dedicated support for 1490 nm and 1625/1650 nm (PON) Connector Recommendation: APC connectors (maximum performance); UPC also available Dimensions: 97 mm × 25 mm × 260 mm Weight: 0.55 kg Key Features High-Port-Count Splitter Characterization: Tests through splitters up to 1×128 In-Service Troubleshooting: Dedicated single-mode live testing port with incoming signal filter and out-of-band wavelength operation for active network access without disruption Short Acquisition Time: Accelerates deployment cycles iOLM-Ready: Supports Intelligent Optical Link Mapper application for automated multi-acquisition and go/no-go analysis EXFO Connect Compatible: Enables automated asset management and cloud-based data transfer Real-Time Averaging: Continuous fiber monitoring for detection of sudden signal changes Automode: Automatically configures distance range and pulse width for initial link assessment with manual optimization options Zoom Tools: Detailed fiber trace analysis Typical Applications FTTx network testing PON (Passive Optical Network) testing MDU network troubleshooting Point-to-point access network testing Compatibility & Integration Compatible with FTB-2/FTB-2 Pro, FTB-500, and FTB-200 Compact platforms.

FTB7300E Characteristics / Specifications

PARAMETER	VALUE
Wavelengths Typical	1310 +/-20 / 1490 +/-10 / 1550 +/-20 / 1625 +/-10 / 1650 +/-7 nm
Dynamic Range At 20 us	39/35/37/39/37 dB typical
Event Dead Zone	0.8 m typical
Attenuation Dead Zone	4/4.5/4.5/4.5/4.5 m typical
Distance Ranges km	1.25, 2.5, 5, 10, 20, 40, 80, 160, 260, 400
Pulse Widths ns	5, 10, 30, 50, 100, 275, 500, 1000, 2500, 10000, 20000
Linearity	+/-0.03 dB/dB typical
Loss Threshold	0.01 dB
Loss Resolution	0.001 dB
Sampling Resolution	0.04 to 5 m
Sampling Points	up to 256000
Distance Uncertainty	+/-(0.75 + 0.001 percentxdistance + sampling resolution) m
Measurement Time Max	60 min user-defined
Real Time Refresh Typical	4 Hz
Stable Source Output Power	-2.5 dBm typical at 1550 nm
Reflectance Accuracy Class	+/-2 dB typical
Module Size HxWxD	97 mm x 25 mm x 260 mm
Module Weight	0.55 kg
Platform Compatibility	FTB-200, FTB-500
Attenuation	Dead Zone: 4/4.5/4.5/4.5/4.5 m typical

FTB7300E Specifications

PARAMETER	VALUE
Key Features	Test through splitters up to 1×128
Dynamic range up to 39 dB typical	Event dead zone 0.8 m typical
Technical Specifications	Wavelengths Typical: 1310 +/-20 / 1490 +/-10 / 1550 +/-20 / 1625 +/-10 / 1650 +/-7 nm

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

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Module Weight	0.55 kg

Optional VFL Wavelength: 650 nm +/-10 nm
Optional VFL Power Class: 1.5 dBm in 62.5/125 um fiber
Platform Compatibility: FTB-200, FTB-500

Notes
From EXFO FTB-7300E PON FTTx/MDU OTDR specification sheet. Dynamic range is typical with three-minute averaging at SNR=1; non-SM Live 1625 nm dynamic range is 37 dB per OEM note.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: **sales@aumictech.com** · +1 (484) 841-9341

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